

S2746

SAT-STA-20080422-00088

IB2008000935

EchoStar Corporation

AMC-14



For Space Station Operation
 File # SAT-STA-20080422-00088 only.

Call Sign S2746 Grant Date 5/22/08
 (or other identifier)

Term Dates _____ Approved by OMB
 3060-0678

From: _____ To: 5/2/08

Approved: [Signature] Chief Satellite
Robert G. Nelson Division

Date & Time Filed: Apr 22 2008 2:17:33:860PM
 File Number: SAT-STA-20080422-00088
 Callsign:

FEDERAL COMMUNICATIONS COMMISSION
 APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
 FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
 Request for Special Temporary Authority for Continued Communication with AMC-14

1. Applicant

Name:	EchoStar Corporation	Phone Number:	303-723-1000
DBA Name:		Fax Number:	
Street:	90 Inverness Circle E.	E-Mail:	
City:	Englewood	State:	CO
Country:	USA	Zipcode:	80112 -
Attention:	Linda Kinney - (202)293-0981		

2. Contact			
Name:	Pantelis Michalopoulos	Phone Number:	202-429-3000
Company:	Step toe & Johnson LLP	Fax Number:	202-429-3902
Street:	1330 Connecticut Ave NW	E-Mail:	pmichalo@step toe.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:		Relationship:	Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)			
3. Reference File Number or Submission ID			
4a. Is a fee submitted with this application?			
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee			
<input type="radio"/> Other (please explain):			
4b. Fee Classification			
5. Type Request			
<input type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other			
6. Temporary Orbit Location		7. Requested Extended Expiration Date	

8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)		
<div style="border: 1px solid black; padding: 10px; min-height: 80px;"> See attached narrative. </div>		
9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.		
		<input checked="" type="radio"/> Yes <input type="radio"/> No
10. Name of Person Signing Linda Kinney	11. Title of Person Signing Vice President, Law and Regulation	
12. Please supply any need attachments.		
Attachment 1: AMC-14 TT&C STA	Attachment 2:	Attachment 3:
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).		

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**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of)	
ECHOSTAR CORPORATION)	
Request for Special Temporary Authority for)	File No. SAT-STA-_____
Continued Communication with AMC-14)	Call Sign S2746

EXPEDITED ACTION REQUESTED

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

EchoStar Corporation (“EchoStar”) respectfully requests special temporary authority (“STA”) for a period of thirty days to allow continued communications with the AMC-14 satellite for purposes of performing Telemetry, Tracking, and Command (“TT&C”). The communications will occur on the TT&C frequencies for which AMC-14 was licensed: 17,793.5 MHz for command and 12,694.5 and 12,698.5 MHz for telemetry.¹ Grant of the requested authority will serve the public interest by permitting signals to be transmitted to and received from the spacecraft for critical satellite functions.

As the Commission is aware, AMC-14 was launched on March 15 from the Baikonur Cosmodrome, but the Proton/Breeze M launch vehicle carrying the spacecraft failed to place AMC-14 in geostationary transfer orbit. Instead, an anomaly occurred during the second burn of

¹ EchoStar has separately requested today authority to execute controlled re-entry of the satellite.

the fourth stage of the rocket, resulting in the satellite being stranded in a highly-elliptical orbit with an apogee below the geostationary arc.

EchoStar requests STA to allow earth stations to continue to communicate with the satellite in its nongeostationary orbit. Communications with the spacecraft are occurring through three earth station facilities operated by Lockheed Martin, the manufacturer of AMC-14: near Alpha, New Jersey (FCC Call Sign E7541); Uralla, NSW, Australia; and Cloche D'Or, Luxembourg.

The characteristics of this orbit are as follows (using the relevant parameters from Section 25.114(c)(6) regarding non-geostationary orbit satellites):

Inclination of the orbital plane	49.07 degrees
Orbital period	10.6 hours
Apogee	35,578 km
Perigee ²	772 km
The argument(s) of perigee	0.46076
Active service arc(s)	No service is being provided using the spacecraft. Commands can be sent to the satellite around the orbit apogee, but not around the orbit perigee.
Right ascension of the ascending node(s)	166.2

In accordance with Section 304 of the Communications Act of 1934, 47 U.S.C. § 304, EchoStar hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum because of the previous use of the same, whether by license or otherwise.

² Note that while the perigee of the current AMC-14 orbit is in the range of the low earth orbit Iridium spacecraft in low earth orbit, the phasing of the AMC-14 and Iridium orbits is such as to provide acceptable spacing.

Based on the information provided herein, EchoStar respectfully requests that the Commission grant STA for a period of thirty days to permit continued TT&C communications with AMC-14.

Respectfully submitted,

EchoStar Corporation

Pantelis Michalopoulos
Daniel C.H. Mah
Steptoe & Johnson LLP
1330 Connecticut Avenue N.W.
Washington, D.C. 20036
(202) 429-3000

Counsel for EchoStar Corporation

April 22, 2008

_____/s/
Linda Kinney
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Brad Gillen
Director and Senior Corporate Counsel
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